Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/09/2022 10:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123826	-1	1.19	123757	1.16
Blue	F	SSC	125000	122757	-2	2.16	123286	2.04
Blue	E	FITC	13602	13188	-4	2.33	369	13.85
Blue	D	PE	24891	24343	-3	1.75	578	10.70
Blue	B	PerCP-Cy5-5	33972	33372	-2	2.99	947	15.07
Blue	A	PE-Cy7	22865	22708	-1	5.11	470	31.74
Red	C	APC	47198	46455	-2	2.76	1603	11.56
Red	A	APC-Cy7	26454	25460	-4	3.17	718	12.52
Violet	B	V450	6737	6450	-5	3.65	447	11.30
Violet	A	V500	29317	28295	-4	3.18	965	8.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23911	2.49	564	29	N/A	N/A	Pass
Blue	F	SSC	55185	1.95	521	0	N/A	N/A	Pass
Blue	E	FITC	56	57.02	489	5	0.0425	217	Pass
Blue	D	PE	112	39.92	492	6	0.3880	314	Pass
Blue	B	PerCP-Cy5-5	151	42.36	588	9	0.0196	98	Pass
Blue	A	PE-Cy7	80	82.07	632	11	0.0208	4	Pass
Red	C	APC	335	26.32	576	4	0.0280	208	Pass
Red	A	APC-Cy7	134	36.06	554	3	0.0063	1622	Pass
Violet	B	V450	77	48.74	449	-1	0.0757	3697	Pass
Violet	A	V500	114	33.25	469	0	0.0268	1362	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.79	-31.46	1.07
Blue	20.36	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.44
Red	14.88	13.90 - 20.86	N/A	N/A	29.72	30.10	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9745

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments